

GRK6 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP7008a**Specification**

GRK6 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P43250](#)**GRK6 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2870**Other Names**

G protein-coupled receptor kinase 6, G protein-coupled receptor kinase GRK6, GRK6, GPRK6

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7008a](/product/products/AP7008a) was selected from the C-term region of human GRK6 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GRK6 Antibody (C-term) Blocking Peptide - Protein Information**Name** GRK6**Synonyms** GPRK6**Function**

Specifically phosphorylates the activated forms of G protein- coupled receptors. Such receptor phosphorylation initiates beta- arrestin-mediated receptor desensitization, internalization, and signaling events leading to their desensitization. Seems to be involved in the desensitization of D2-like dopamine receptors in striatum and chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis (By similarity). Phosphorylates rhodopsin (RHO) (in vitro) and a non G-protein-coupled receptor: LRP6 during Wnt signaling (in vitro).

Cellular Location

Membrane; Lipid-anchor.

Tissue Location

Widely expressed..

GRK6 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GRK6 Antibody (C-term) Blocking Peptide - Images**GRK6 Antibody (C-term) Blocking Peptide - Background**

GRK6 is a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating their deactivation.

GRK6 Antibody (C-term) Blocking Peptide - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Stoffel, R.H., et al., J. Biol. Chem. 269(45):27791-27794 (1994). Benovic, J.L., et al., J. Biol. Chem. 268(26):19521-19527 (1993).